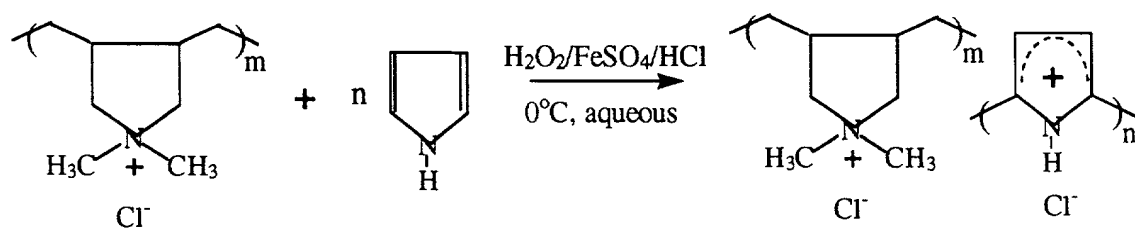


Title: PROCESS FOR THE PREPARATION OF
WATER SOLUBLE POLYPYRROLE

Inventor(s): Menon et al.

Appln. No. New Docket # 41530/28285

Figure 1. SYNTHESIS OF ANION-EXCHANGE WATER-POLYPYRROLE

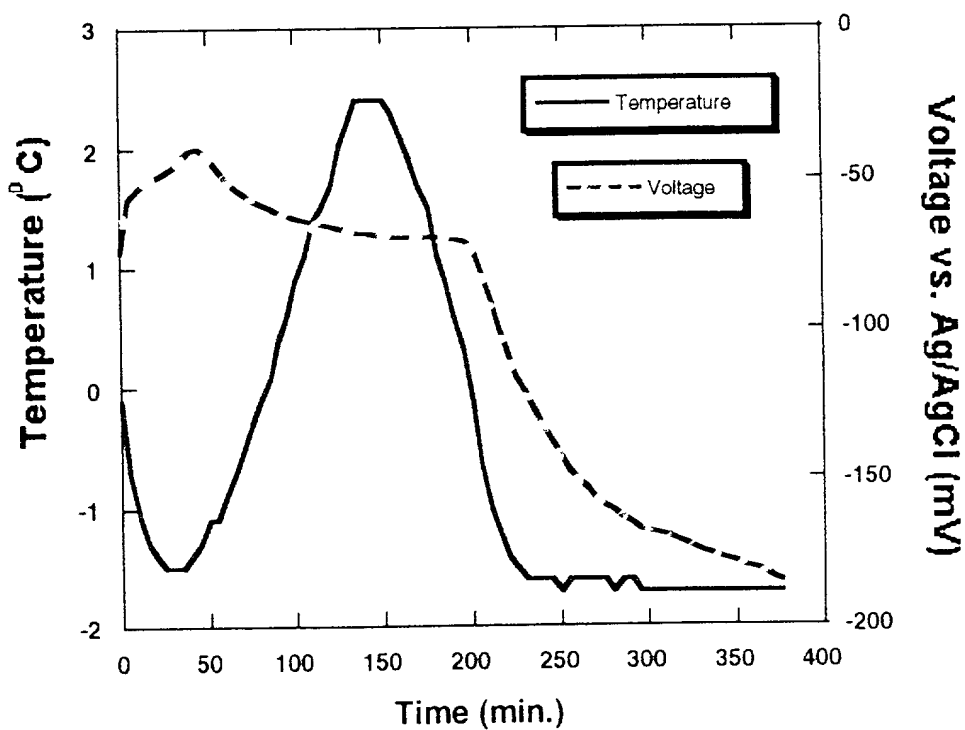


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Figure 2. Temperature/mV profiles for polymerization of pyrrole.
Reaction mixture : 4% pyrrole, 1.33% polyquat (M.W. 250kDa), 0.03 %
FeSO₄, 2.4% H₂O₂, 0.2M HCl

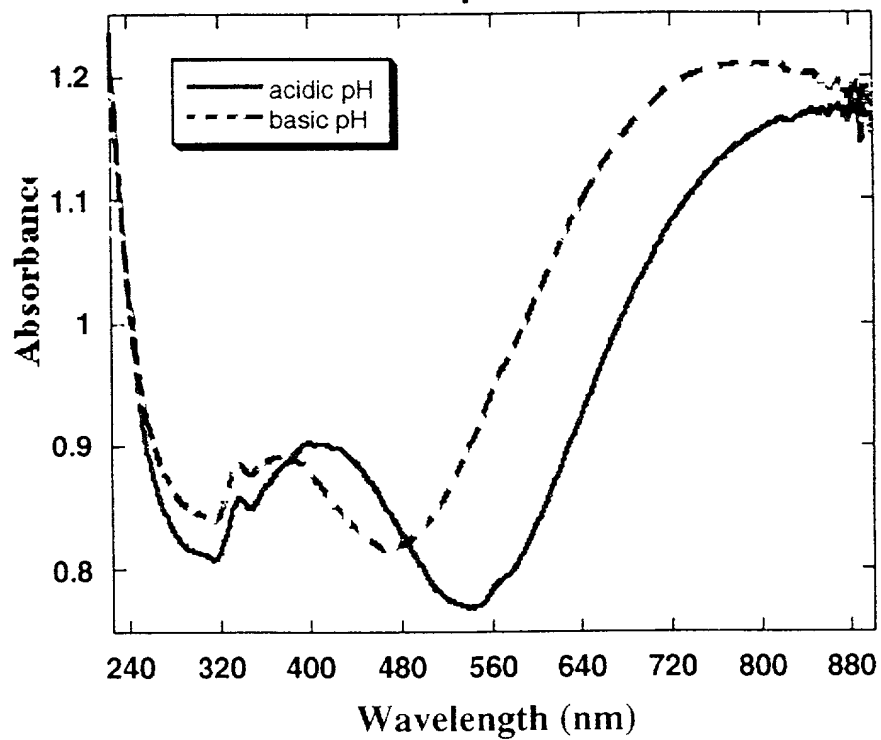


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**Figure 3 : UV-Vis spectra of aqueous solutions of
water-soluble Polypyrrole/Polyquat(3/1) at
different pH values**



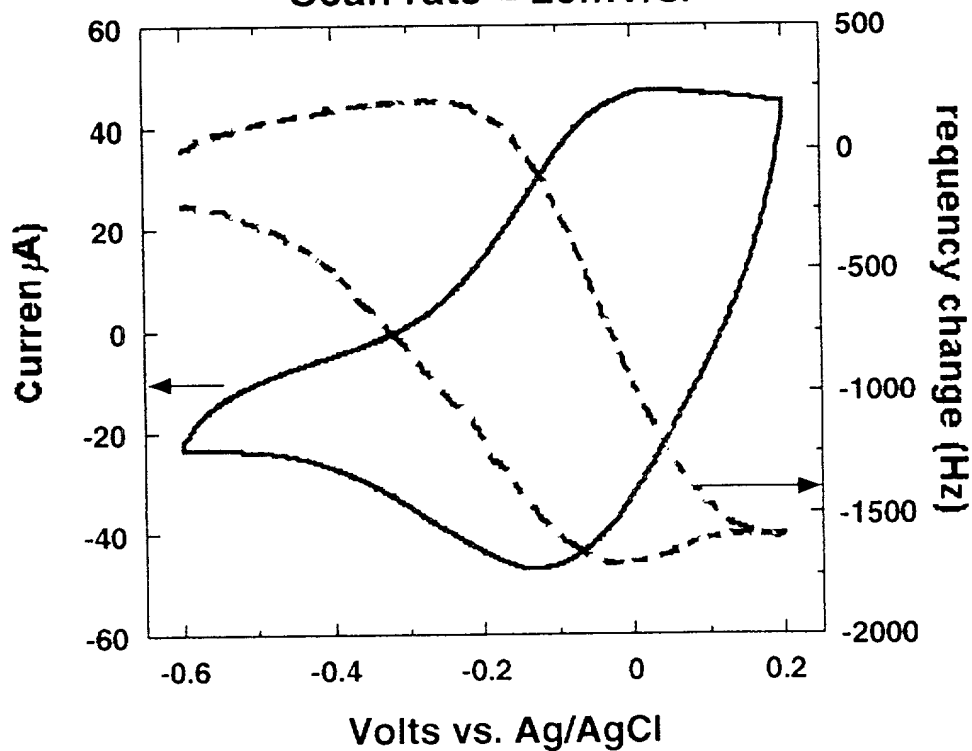
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**Figure 4 : Cyclic voltammogram and frequency change
in a PPy/Polyquat/PVOH (3/1/1.25) film in PBS buffer.**

Scan rate = 20mV/s.

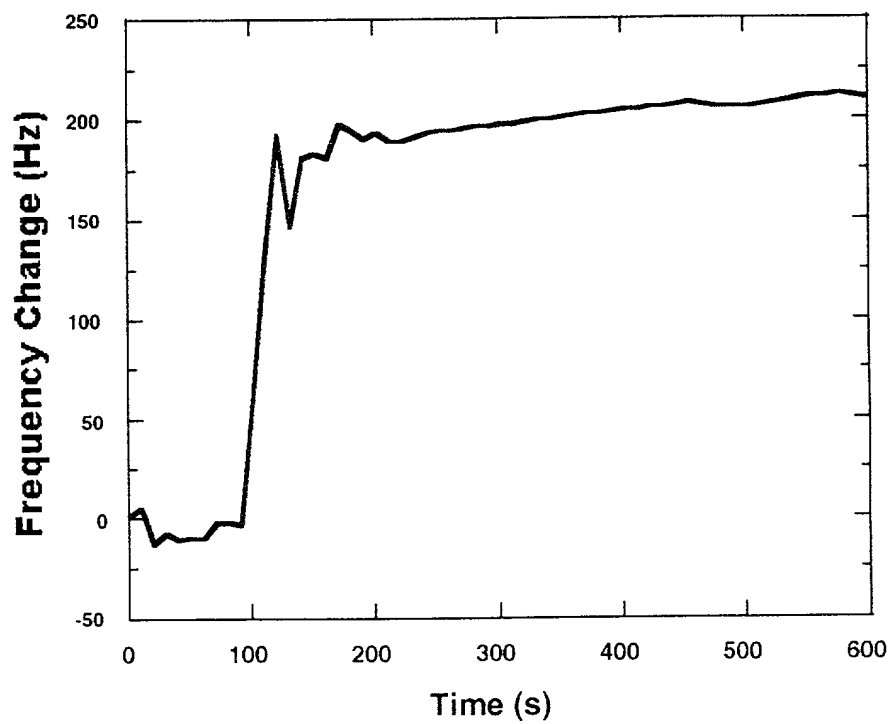


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Figure 5. Plot of frequency change vs. time on addition of 50mM thiosulfate to PPy/Polyquat/PVOH/Cl film at 95 s. Electrolyte=0.05M potassium sulfate.



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Figure 6. Plot of frequency change vs. time on addition of
50mM thiosulfate to PPy/Polyquat/PVOH/GA film
at 110 s.

